Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed wh appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" maintenance fees notifications.

aintenance fee notification	03					
CURRENT CORRESPONDENCE	CE ADDRESS (Note: Use Block 1 for	any change of address)	OIPE	Note: A certificate o Fee(s) Transmittal. T papers. Each addition	f mailing can only be used f his certificate cannot be used all paper, such as an assignm- te of mailing or transmission.	or domestic mailings of for any other accompany ent or formal drawing, m
•	590 02/23/2005					
STEPHEN B. AC	CKERMAN	(AI	PR 2 9 200s	Co	ertificate of Mailing or Tran	smission
28 Davis Avenue Poughkeepsie, NY	12603	LEE TO SERVICE	. 2 0 2005	States Postal Service addressed to the Matransmitted to the US	this Fee(s) Transmittal is bein with sufficient postage for fu ail Stop ISSUE FEE address PTO (703) 746–4000, on the	g tepositet with the On St class mail in an envel above, or being facsim date indicated below.
0 5/02/2005 ZJU	HAR2 00000050 190033	10602228	RADEMARY	stepho	Alverman	(Depositor's na
01 FC:2501	700.00 DA			4	21 2 2	0
· · · · · · · · · · · · · · · · · · ·					d b , 4005	W .
APPLICATION NO.	FILING DATE	FIRST NAMED INVE		NTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/602,228	06/24/2003	•	Ki-Tae Park	•	HALO02-004	8534
ITLE OF INVENTION: H	IIGH EFFICIENCY TRIPLE	: WELL CHARGE	E PUMP CIRCUIT	44 t - 94		·
APPLN. TYPE	SMALL ENTITY	ISSUB F	ee i	UBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700		\$0	\$700	05/23/2005
EXAM	AINER	ART UP	ART UNIT CLASS-SUBCLASS			j
STERRETT, JEFFREY L		2838 3		363-060000	-	(,
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address or indication of up to 3 registered patent attorneys or agents OR alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered attorneys or agents. If no name is listed, no name will be printed. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)						
*		•	_		gnee is identified below, the	locument has been filed
(A) NAME OF ASSIGN	EE	. (F	B) RESIDENCE: (CI	TY and STATE OR CO	OUNTRY)	1
HALO LS	I,IN.		H: III port	o, DR		ľ
ease check the appropriate	sassignee category or catego	ries (will not be p	rinted on the patent)	Individual 🛱 (Corporation or other private gr	roup entity Governm
The following fee(s) are enclosed: 4b. Payment of Fee(s):						
a Issue Fee ☐ A check in the amount of the fee(s) is end						
Publication Fee (No small entity discount permitted)			Payment by credit card. Form PTO-2038 is attached.			
Advance Order - # of	f Copies	 ·	The Director is hereby authorized by charge the required fee(s), or credit any overpayment Deposit Account Number 19-00-3 (enclose an extra copy of this form).			
	(from status indicated above MALL ENTITY status. See		_		ALL ENTITY status. See 37 (
e Director of the HSPTO	is remested to apply the less	a Fee and Dublica	tion For (if ami) on t		sly paid issue fee to the applic gistered attorney or agent; or t	-1
Authorized Signature	JAR C			Date	1/24/05	
Typed or printed name	Stephen B	ACKEIN	ngn	Registratio	nggo19/2005 Agi Palba	<u> </u>
appucation. Confidential bruitting the completed ap is form and/or suggestions	ory is governed by 35 U.S.C. oplication form to the USPT of for reducing this burden, slinia 22313-1450. DO NOT	. 122 and 37 CFR O. Time will vary rould be sent to th	1.14. This collection depending upon the Chief Information	is estimated to take 12 individual case. Any o Officer, U.S. Patent an	the public which is to file (an iminutes to domplete, includi- comments on the amount of ti d Trademark Office, U.S. Dep S. SEND TO: Commissioner	d by the USPTO to proc neggathering, preparing, time you require to comp
nder the Paperwork Reduc	tion Act of 1995, no persons	are required to re-	spond to a collection	of information unless i	t displays a valid OMB contro	l number.
FOL 85 (Rev 12/04) App	roved for use through 04/30/	2007	OMB 0651 003	US Patent and Tr	ademark Office; US DEPAR	TMENT OF COMMER
			; ;	0033	a. The	. ~